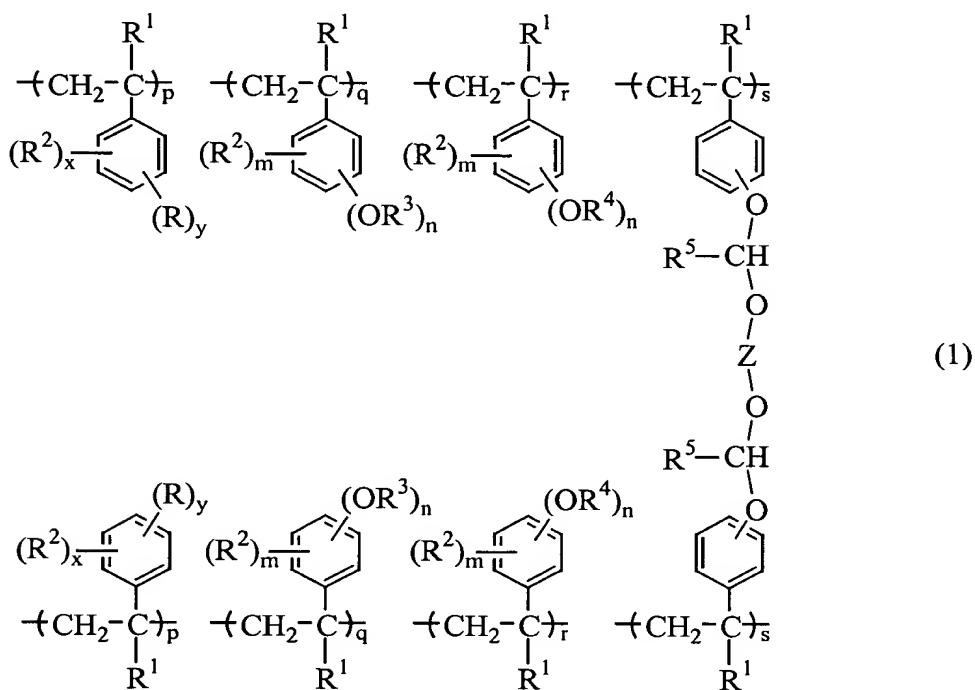


This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. **(Currently Amended)** A chemical amplification type resist composition comprising a polymeric mixture of a polymer comprising recurring units of the general formula (1) and having a weight average molecular weight of 1,000 to 500,000 and a polymer comprising recurring units of the general formula (2) and having a weight average molecular weight of 1,000 to 500,000,



wherein R is a hydroxyl group or a OR³ group, R¹ is hydrogen or methyl, R² is a straight,

branched or cyclic alkyl group of 1 to 8 carbon atoms, R³ is a group of the following formula (3)

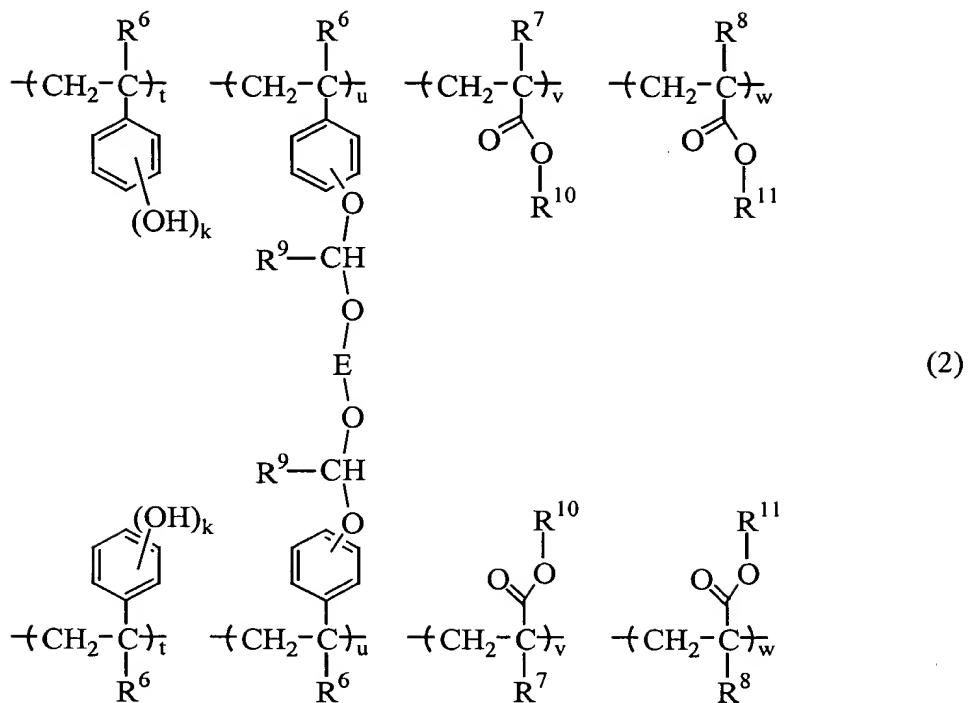


wherein, R¹² and R¹³ are independently hydrogen or straight, branched or cyclic alkyl groups of 1 to 18 carbon atoms,

R¹⁴ is a monovalent hydrocarbon group of 1 to 18 carbon atoms which optionally has a hetero atom and optionally has one or more hydrogen atoms replaced by hydroxyl, alkoxy, oxo, amino or alkylamino groups,

alternatively, a pair of R¹² and R¹³, a pair of R¹² and R¹⁴, or a pair of R¹³ and R¹⁴, taken together, form a ring in which the pair together is a straight or branched alkylene group of 1 to 18 carbon atoms,

R⁴ is an acid labile group, R⁵ is methyl or ethyl, Z is a straight, branched or cyclic alkylene group of 1 to 10 carbon atoms, x is 0 or a positive integer, y is a positive integer, satisfying x+y ≤ 5, m is 0 or a positive integer, n is a positive integer, satisfying m+n ≤ 5, q is a positive number, p, r and s each are 0 or a positive number, satisfying p+q+r+s = 1,



wherein R⁶, R⁷ and R⁸ each are hydrogen or methyl, R⁹ is methyl or ethyl, E is a straight, branched or cyclic alkylene group of 1 to 10 carbon atoms, R¹⁰ is a straight, branched or cyclic alkyl group of 1 to 20 carbon atoms, which may contain an oxygen or sulfur atom, provided that R¹⁰ is not a tertiary alkyl group. R¹¹ is a tertiary alkyl group of 1 to 20 carbon atoms, k is 0 or a positive integer of up to 5, t and w each are a positive number, u and v each are 0 or a positive number, either one of u and v is not equal to 0, satisfying t+u+v+w = 1.

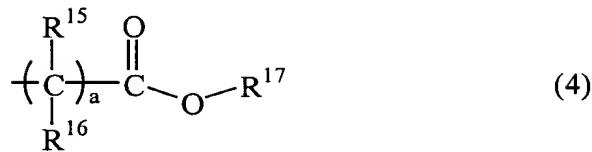
2. (Original) A chemical amplification type, positive resist composition comprising

- (A) an organic solvent,
- (B) the polymeric mixture of claim 1 as a base resin, and
- (C) a photoacid generator.

3. **(Original)** A chemical amplification type, positive resist composition comprising
 (A) an organic solvent,
 (B) the polymeric mixture of claim 1 as a base resin,
 (C) a photoacid generator, and
 (D) a dissolution regulator.

4. **(Previously presented)** The resist composition of claim 2, further comprising (E) a basic compound.

5. **(Currently amended)** The composition of claim 1, wherein in formula (1), r is a positive number and the acid labile group R⁴ is selected from the group consisting of:
branched or cyclic, tertiary alkyl groups with 4 to 20 carbon atoms;
trialkylsilyl groups whose alkyl groups each have 1 to 6 carbon atoms;
oxoalkyl groups of 4 to 20 carbon atoms; and,
groups of the following formulae (3) and (4):



wherein,

R^{12} and R^{13} are independently hydrogen or straight, branched or cyclic alkyl groups of 1 to 18 carbon atoms,

R^{14} is a monovalent hydrocarbon group of 1 to 18 carbon atoms, which may have a hetero atom and in which some hydrogen atoms are replaced by hydroxyl, alkoxy, oxo, amino or alkylamino groups,

alternatively, a pair of R^{12} and R^{13} , a pair of R^{12} and R^{14} ; or a pair of R^{13} and R^{14} , taken together, may form a ring, in which the pair is a straight or branched alkylene group of 1 to 18 carbon atoms.

R^{15} and R^{16} independently have the same definition as R^{12} and R^{13} ,

R^{17} is a straight, branched or cyclic alkyl group of 4 to 40 carbon atoms, a trialkylsilyl group whose alkyl groups each have 1 to 6 carbon atoms, or oxoalkyl group of 4 to 20 carbon atoms, and

the letter a is an integer of 0 to 6.

6. **(Previously presented)** The composition of claim 1, wherein in the polymer of formula (1) p, q and r are positive numbers and p, q, r and s satisfy:

$$0 < (q+r)/(p+q+r+s) \leq 0.8, \text{ and}$$

$$0.01 \leq s/(p+q+r+s) \leq 0.1.$$

7. **(Previously presented)** The composition of claim 1, wherein in the polymer of formula (2) t, u, v and w satisfy the ranges:

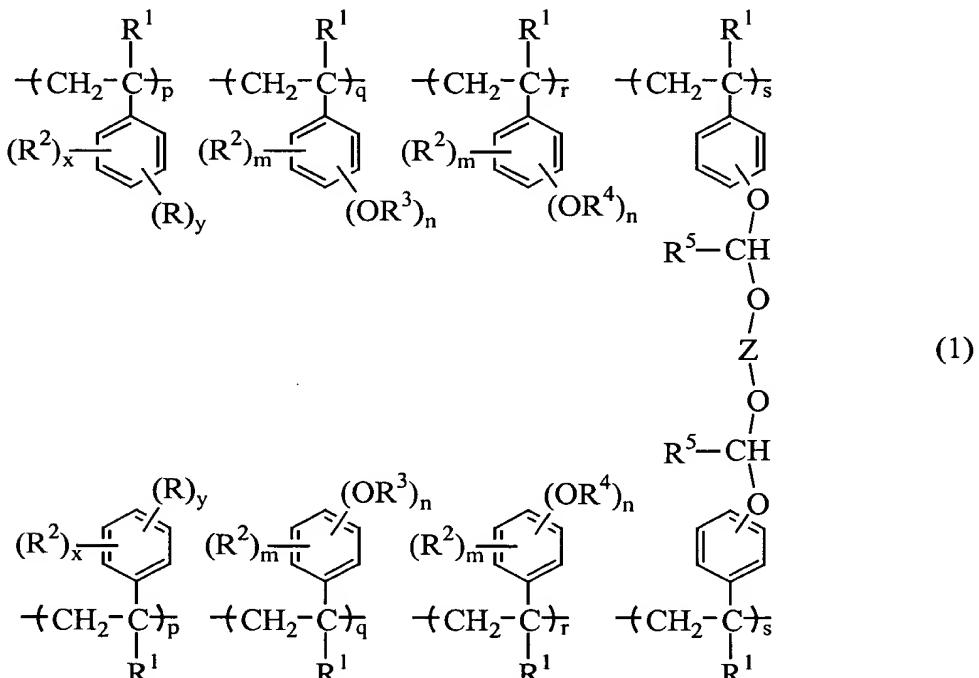
$$0 < w/(t+u+v+w) \leq 0.5;$$

$$0 \leq v/(t+u+v+w) \leq 0.2; \text{ and}$$

$$0 \leq u/(t+u+v+w) \leq 0.05.$$

8. **(Previously presented)** The composition of claim 1, wherein the polymers of formulae (1) and (2) each have a weight average molecular weight of 3,000 to 30,000.

9. (Currently Amended) A chemical amplification type resist composition comprising a polymeric mixture of a polymer comprising recurring units of the general formula (1) and having a weight average molecular weight of 1,000 to 500,000 and a polymer comprising recurring units of the general formula (2) and having a weight average molecular weight of 1,000



to 500,000,

wherein R is a hydroxyl group or a OR³ group, R¹ is hydrogen or methyl, R² is a straight, branched or cyclic alkyl group of 1 to 8 carbon atoms, R³ is a group of the following formula (3)

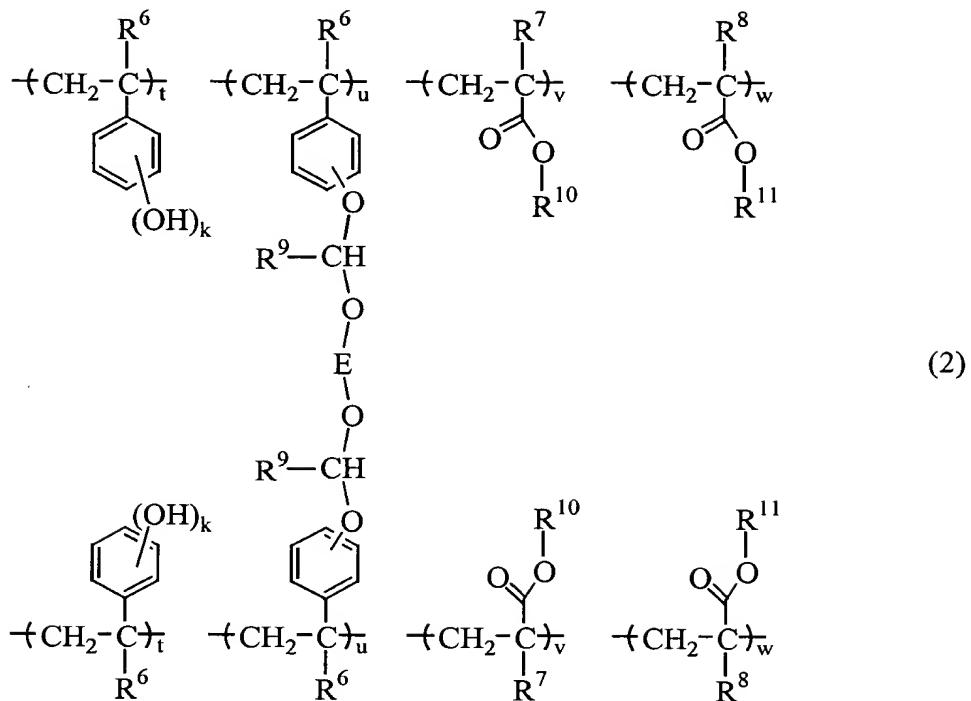


wherein, R¹² and R¹³ are independently hydrogen or straight, branched or cyclic alkyl groups of 1 to 18 carbon atoms,

R¹⁴ is a monovalent hydrocarbon group of 1 to 18 carbon atoms which optionally has a hetero atom and optionally has one or more hydrogen atoms replaced by hydroxyl, alkoxy, oxo, amino or alkylamino groups,

alternatively, a pair of R¹² and R¹³, a pair of R¹² and R¹⁴, or a pair of R¹³ and R¹⁴, taken together, form a ring in which the pair together is a straight or branched alkylene group of 1 to 18 carbon atoms,

R⁴ is an acid labile group, R⁵ is methyl or ethyl, Z is a straight, branched or cyclic alkylene group of 1 to 10 carbon atoms, x is 0 or a positive integer, y is a positive integer, satisfying x+y ≤ 5, m is 0 or a positive integer, n is a positive integer, satisfying m+n ≤ 5, q is a positive number, p, r and s each are 0 or a positive number, satisfying p+q+r+s = 1,



wherein R^6 , R^7 and R^8 each are hydrogen or methyl, R^9 is methyl or ethyl, E is a straight, branched or cyclic alkylene group of 1 to 10 carbon atoms, R^{10} is a straight, branched or cyclic alkyl group of 1 to 20 carbon atoms, which may contain an oxygen or sulfur atom, provided that R^{10} is not a tertiary alkyl group, R^{11} is a tertiary alkyl group selected from a group of the formulae (5) or (6):



wherein, R^{18} is a methyl, ethyl, isopropyl, cyclohexyl, cyclopentyl, vinyl, acetyl, phenyl or cyano group, and b is an integer of 0 to 3, and



wherein, R^{19} is an isopropyl, cyclohexyl, cyclopentyl, vinyl, acetyl, phenyl or cyano group, and

k is 0 or a positive integer of up to 5, t and w each are a positive number, u and v each are 0 or a positive number, either one of u and v is not equal to 0, satisfying $t+u+v+w = 1$.

10. (Previously presented) A chemical amplification type, positive resist composition comprising

- (A) an organic solvent,
- (B) the polymeric mixture of claim 9 as a base resin, and
- (C) a photoacid generator.

11. (Previously presented) A chemical amplification type, positive resist composition comprising

- (A) an organic solvent,
- (B) the polymeric mixture of claim 9 as a base resin,
- (C) a photoacid generator, and
- (D) a dissolution regulator.

12. (Previously presented) The resist composition of claim 10, further comprising (E) a basic compound.

13. (Currently amended) The composition of claim 9, wherein in formula (1), r is a

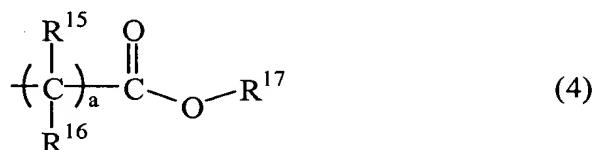
positive number and the acid labile group R⁴ is selected from the group consisting of:

branched or cyclic, tertiary alkyl groups with 4 to 20 carbon atoms;

trialkylsilyl groups whose alkyl groups each have 1 to 6 carbon atoms;

oxoalkyl groups of 4 to 20 carbon atoms; and,

groups of the following formulae (3) and (4):



wherein,

R¹² and R¹³ are independently hydrogen or straight, branched or cyclic alkyl groups of 1 to 18 carbon atoms,

R¹⁴ is a monovalent hydrocarbon group of 1 to 18 carbon atoms, which may have a hetero atom and in which some hydrogen atoms are replaced by hydroxyl, alkoxy, oxo, amino or alkylamino groups,

alternatively, a pair of R¹² and R¹³, a pair of R¹² and R¹⁴, or a pair of R¹³ and R¹⁴, taken together, may form a ring, in which the pair is a straight or branched alkylene group of 1 to 18 carbon atoms,

R¹⁵ and R¹⁶ independently have the same definition as R¹² and R¹³,

R^{17} is a straight, branched or cyclic alkyl group of 4 to 40 carbon atoms, a trialkylsilyl group whose alkyl groups each have 1 to 6 carbon atoms, or oxoalkyl group of 4 to 20 carbon atoms, and

the letter a is an integer of 0 to 6.

14. (Previously presented) The composition of claim 9, wherein in the polymer of formula (1) p, q and r are positive numbers and p, q, r and s satisfy:

$$0 < (q+r)/(p+q+r+s) \leq 0.8, \text{ and}$$

$$0.01 \leq s/(p+q+r+s) \leq 0.1.$$

15. (Previously presented) The composition of claim 9, wherein in the polymer of formula (2) t, u, v and w satisfy the ranges:

$$0 < w/(t+u+v+w) \leq 0.5;$$

$$0 \leq v/(t+u+v+w) \leq 0.2; \text{ and}$$

$$0 \leq u/(t+u+v+w) \leq 0.05.$$

16. (Previously presented) The composition of claim 9, wherein the polymers of formulae (1) and (2) each have a weight average molecular weight of 3,000 to 30,000.